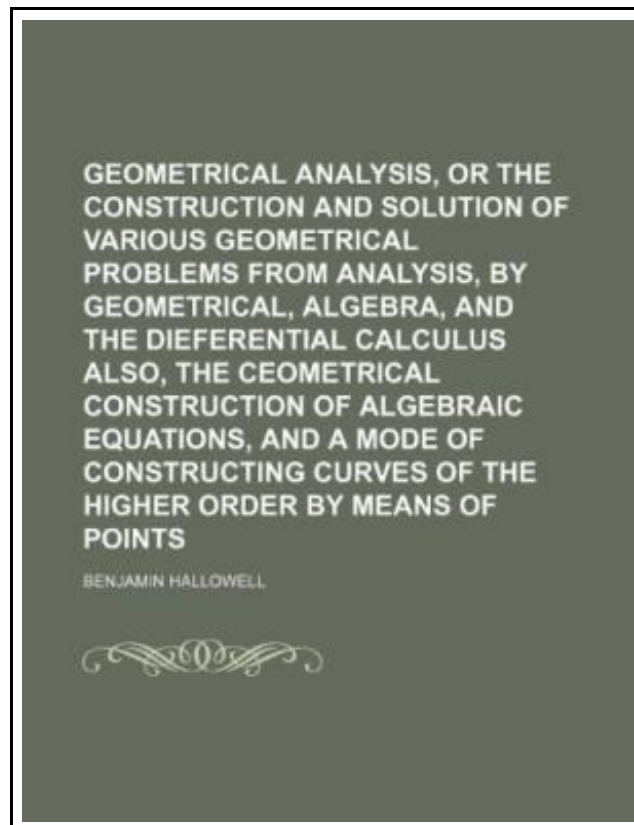


Geometrical Analysis, or the Construction and Solution of Various Geometrical Problems from Analysis, by Geometrical, Algebra, and the Dieferential Calculus Also, the Ceometrical Construction of Algebraic Equations, and a Mode of Constructing Curves



Filesize: 9.4 MB

Reviews


It in one of the most popular book. I am quite late in start reading this one, but better then never. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Camylle Larson)


GEOMETRICAL ANALYSIS, OR THE CONSTRUCTION AND SOLUTION OF VARIOUS GEOMETRICAL PROBLEMS FROM ANALYSIS, BY GEOMETRICAL, ALGEBRA, AND THE DIEFERENTIAL CALCULUS ALSO, THE CEOMETRICAL CONSTRUCTION OF ALGEBRAIC EQUATIONS, AND A MODE OF CONSTRUCTING CURVES

DOWNLOAD



Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1872 Excerpt: . Demonstration by geometry.--Join GL, AL, and GG, and let fall on BL the perpendicular GH; then $AG^2 + GL^2 = AL^2 = AE^2 + BL^2 = AB^2 + BL^2 + PL^2 = AB^2 + BL^2 + OL^2 - J - BI^2$. Taking GL^2 from the first and last of these equals, we have $AG^2 = BI^2$ or $AG = BI$. Q. E. D. Calculation.--We have $EL = \frac{EB^2 + BF^2}{EB^2 + AW}$, $BL = BE - EL$, $GG = GL = BL$, $GH = \sqrt{OG^2 - OL^2}$, $OL - GH = HL = AE$, $EG = GB - BE = GL - BE$, $FG = EH = EG + GH$, and $GG = GF + FG$, $GL = AB = \sqrt{BE^2 + AE^2}$. Limit.--The line AG may be taken any length. Problem IV.--In a right-angled triangle are given the hypotenuse, and the side of the inscribed square, to determine the triangle. Analysis by algebra.--Let ABG represent the required triangle of which the hypotenuse AG and the inscribed square BGFE are given. Draw GL perpendicular to AG, meeting EF, produced, in L, and let fall the perpendicular GH, which will be equal to GF or EF; then (IV. 21) the triangles GHL and EAF are similar and equal, having $GL = AF$ and $HL = AE$. Now, put $AG = b$, $EF = a$, $EL = x$, and $GL = y = AF$. In similar triangles AFE and GFL, we have $AF : FE :: FL : FG$ or $y : a :: (x - a) : (b - y)$. Wherefore $by - y^2 = ax - a^2$, or $-2y^2 + 2y^2 = -2ax + 2a^2$. Also, $FL^2 = EG^2 + GL^2$; that is, $(x - a)^2 = (b - y)^2 - y^2$, or $x^2 - 2ax + a^2 - b^2 + 2ay - 2a^2 = (from above) b^2 - 2ax - 2a^2$. From which we have...

 [Read Geometrical Analysis, or the Construction and Solution of Various Geometrical Problems from Analysis, by Geometrical, Algebra, and the Dieferential Calculus Also, the Ceometrical Construction of Algebraic Equations, and a Mode of Constructing Curves Online](#)

 [Download PDF Geometrical Analysis, or the Construction and Solution of Various Geometrical Problems from Analysis, by Geometrical, Algebra, and the Dieferential Calculus Also, the Ceometrical Construction of Algebraic Equations, and a Mode of Constructing Curves](#)

Other Books



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually...

[Download PDF »](#)



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download PDF »](#)



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

[Download PDF »](#)



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Download PDF »](#)



A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Download PDF »](#)

**Ohio Court Rules 2015, Government of Bench Bar (Paperback)**

Createspace, United States, 2014. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Ohio Court Rules 2015, Government of Bench Bar, contains all of the rules

[Read Document »](#)

**From Out the Vasty Deep (Paperback)**

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Love, ghosts, mystery and a sense of impending horror are

[Read Document »](#)

**Federal Court Rules: 2014 (Paperback)**

Createspace, United States, 2014. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Federal Court Rules: Current through March 1, 2014 Federal Court Rules 2014 contains

[Read Document »](#)

**Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies

[Read Document »](#)

**The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574) (Paperback)**

Eebo Editions, Proquest, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now

[Read Document »](#)